

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-144  
June 1, 2004

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes  No

Type of action: Registration of a pit or below-grade tank  Closure of a pit or below-grade tank

Operator: BP AMERICA PROD. CO. Telephone: (505)-326-9200 e-mail address: \_\_\_\_\_  
Address: 200 ENERGY COURT, FARMINGTON, NM 87410  
Facility or well name: BARNES LS #6 API #: 30-045- 11366 U/L or Qtr/Qtr A Sec 23 T 32N R 11W  
County: SAN JUAN Latitude 36.97509 Longitude 107.95361 NAD: 1927  1983  Surface Owner Federal  State  Private  Indian

**Pit**  
Type: Drilling  Production  Disposal  COMPRESSOR  
Workover  Emergency   
Lined  Unlined  STEEL TANK  
Liner type: Synthetic  Thickness \_\_\_\_\_ mil Clay   
Pit Volume \_\_\_\_\_ bbl

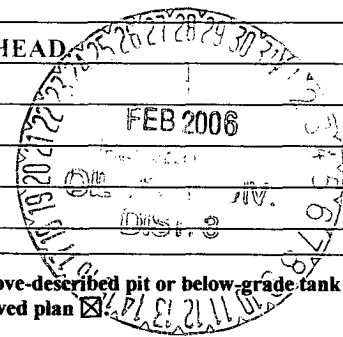
**Below-grade tank**  
Volume: \_\_\_\_\_ bbl Type of fluid: N/A  
Construction material: N/A  
Double-walled, with leak detection? Yes  If not, explain why not.

|   |   |             |          |
|---|---|-------------|----------|
| Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)                                  | Less than 50 feet                         | (20 points) |          |
|   | 50 feet or more, but less than 100 feet   | (10 points) | <b>0</b> |
|   | 100 feet or more                          | ( 0 points) |          |
| Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)       | Yes                                       | (20 points) |          |
|   | No  | ( 0 points) | <b>0</b> |
| Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.) | Less than 200 feet                        | (20 points) |          |
|   | 200 feet or more, but less than 1000 feet | (10 points) | <b>0</b> |
|   | 1000 feet or more                         | ( 0 points) |          |
| <b>Ranking Score (Total Points)</b>   |   |             | <b>0</b> |

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite  offsite  If offsite, name of facility \_\_\_\_\_ (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No  Yes  If yes, show depth below ground surface \_\_\_\_\_ ft. and attach sample results. (5)

Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: PIT LOCATED APPROXIMATELY 60 FT. N80W FROM WELL HEAD.  
PIT EXCAVATION: WIDTH N/A ft., LENGTH N/A ft., DEPTH N/A ft.  
PIT REMEDIATION: CLOSE AS IS: , LANDFARM: , COMPOST: , STOCKPILE: , OTHER  (explain)  
Cubic yards: N/A



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines , a general permit , or an alternative OCD-approved plan

Date: 08/24/05

Printed Name/Title Jeff Blagg - P.E. # 11607 Signature [Signature]

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval: DEPUTY OIL & GAS INSPECTOR, DIST. IV  
Printed Name/Title \_\_\_\_\_ Signature [Signature] Date: FEB 28 2006

CLIENT: BP

**BLAGG ENGINEERING, INC.**  
P.O. BOX 87, BLOOMFIELD, NM 87413  
(505) 632-1199

LOCATION NO: B1217  
COCR NO: 13944

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DJA

**FIELD REPORT: PIT CLOSURE VERIFICATION**

PAGE No: 1 of 1

LOCATION: NAME: BARNES LS WELL #: 6 TYPE: COMPR.  
QUAD/UNIT: A SEC: 23 TWP: 32N RNG: 11W PM: NM CNTY: SJ ST: NM  
QTR/FOOTAGE: 990'N/990'E NE/NE CONTRACTOR: SIERRA (HAROLD)

DATE STARTED: 8/19/05  
DATE FINISHED: \_\_\_\_\_  
ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: NA  
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: CLOSE AS IS  
LAND USE: RANGE - BLM LEASE: NM073275 FORMATION: MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 60 FT. N 80W FROM WELLHEAD.  
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: >1,000'  
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5,000 PPM

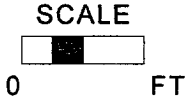
OVM CALIB. READ. = 52.1 ppm (CHECK)  
OVM CALIB. GAS = 100 ppm RF = 0.52  
TIME: 9:25 am/pm DATE: 8/19/05

SOIL AND EXCAVATION DESCRIPTION: ELEV. - 6,262'

SOIL TYPE: SAND SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER \_\_\_\_\_  
SOIL COLOR: OLIVE GRAY  
COHESION (ALL OTHERS): NON COHESIVE SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE  
CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM DENSE / VERY DENSE  
PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC  
~~DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD~~  
MOISTURE: DRY / SLIGHTLY MOIST / MOIST WET / SATURATED / SUPER SATURATED  
DISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION - BET. 5-12' BELOW GRADE  
HC ODOR DETECTED: YES NO EXPLANATION - DISCOLORED PORTION + OVM SAMPLE.  
SAMPLE TYPE: GRAB COMPOSITE - # OF PTS. \_\_\_\_\_  
ADDITIONAL COMMENTS: STEEL TANK REMOVED PRIOR TO ARRIVAL.

CLOSED

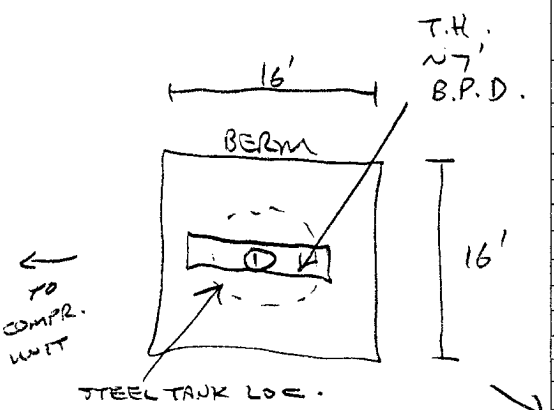
FIELD 418.1 CALCULATIONS



| SAMP. TIME | SAMP. ID | LAB NO. | WEIGHT (g) | mL FREON | DILUTION | READING | CALC. (ppm) |
|------------|----------|---------|------------|----------|----------|---------|-------------|
|            |          |         |            |          |          |         |             |
|            |          |         |            |          |          |         |             |
|            |          |         |            |          |          |         |             |

PIT PERIMETER

PIT PROFILE



OVM READING

| SAMPLE ID | FIELD HEADSPACE (ppm) |
|-----------|-----------------------|
| 1 @ 12'   | 3,958                 |
| 2 @       |                       |
| 3 @       |                       |
| 4 @       |                       |
| 5 @       |                       |

NOT APPLICABLE

LAB SAMPLES

| SAMPLE ID     | ANALYSIS     | TIME |
|---------------|--------------|------|
| 0 @ 12'       | TPH (8015B)  | 0918 |
| "             | BTEX (8021B) | "    |
| <u>PRISED</u> |              |      |

P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW  
T.H. = TEST HOLE; - = APPROX.; T.B. = TANK BOTTOM

TRAVEL NOTES: CALLOUT: 8/18/05 - AFTER. ONSITE: 8/19/05 - MORN. (SCHED.)

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

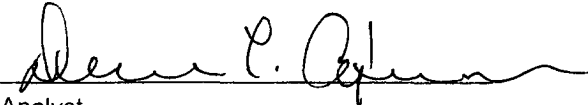
|                      |                 |                     |           |
|----------------------|-----------------|---------------------|-----------|
| Client:              | Blagg / BP      | Project #:          | 94034-010 |
| Sample ID:           | 1 @ 12'         | Date Reported:      | 08-24-05  |
| Laboratory Number:   | 34109           | Date Sampled:       | 08-19-05  |
| Chain of Custody No: | 13944           | Date Received:      | 08-22-05  |
| Sample Matrix:       | Soil            | Date Extracted:     | 08-22-05  |
| Preservative:        | Cool            | Date Analyzed:      | 08-24-05  |
| Condition:           | Cool and Intact | Analysis Requested: | 8015 TPH  |

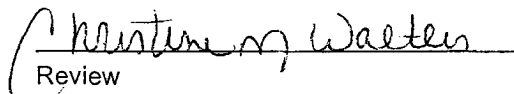
| Parameter                    | Concentration<br>(mg/Kg) | Det.<br>Limit<br>(mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10)    | 1,510                    | 0.2                      |
| Diesel Range (C10 - C28)     | 124                      | 0.1                      |
| Total Petroleum Hydrocarbons | 1,630                    | 0.2                      |

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Barnes LS #6 Compressor Pit Grab Sample.**

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

|                    |               |                     |           |
|--------------------|---------------|---------------------|-----------|
| Client:            | Blagg / BP    | Project #:          | 94034-010 |
| Sample ID:         | 1 @ 12'       | Date Reported:      | 08-24-05  |
| Laboratory Number: | 34109         | Date Sampled:       | 08-19-05  |
| Chain of Custody:  | 13944         | Date Received:      | 08-22-05  |
| Sample Matrix:     | Soil          | Date Analyzed:      | 08-24-05  |
| Preservative:      | Cool          | Date Extracted:     | 08-22-05  |
| Condition:         | Cool & Intact | Analysis Requested: | BTEX      |

| Parameter         | Concentration<br>(ug/Kg) | Det.<br>Limit<br>(ug/Kg) |
|-------------------|--------------------------|--------------------------|
| Benzene           | 112                      | 2.1                      |
| Toluene           | 3,520                    | 1.8                      |
| Ethylbenzene      | 1,730                    | 1.7                      |
| p,m-Xylene        | 9,920                    | 1.5                      |
| o-Xylene          | 3,240                    | 2.2                      |
| <b>Total BTEX</b> | <b>18,520</b>            |                          |

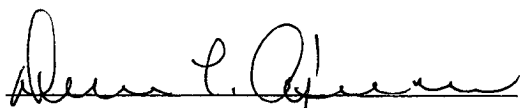
ND - Parameter not detected at the stated detection limit.

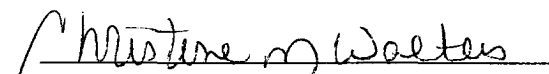
| Surrogate Recoveries: | Parameter           | Percent Recovery |
|-----------------------|---------------------|------------------|
|                       | Fluorobenzene       | 99.0 %           |
|                       | 1,4-difluorobenzene | 99.0 %           |
|                       | Bromochlorobenzene  | 99.0 %           |

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Barnes LS #6 Compressor Pit Grab Sample.**

  
Analyst

  
Review